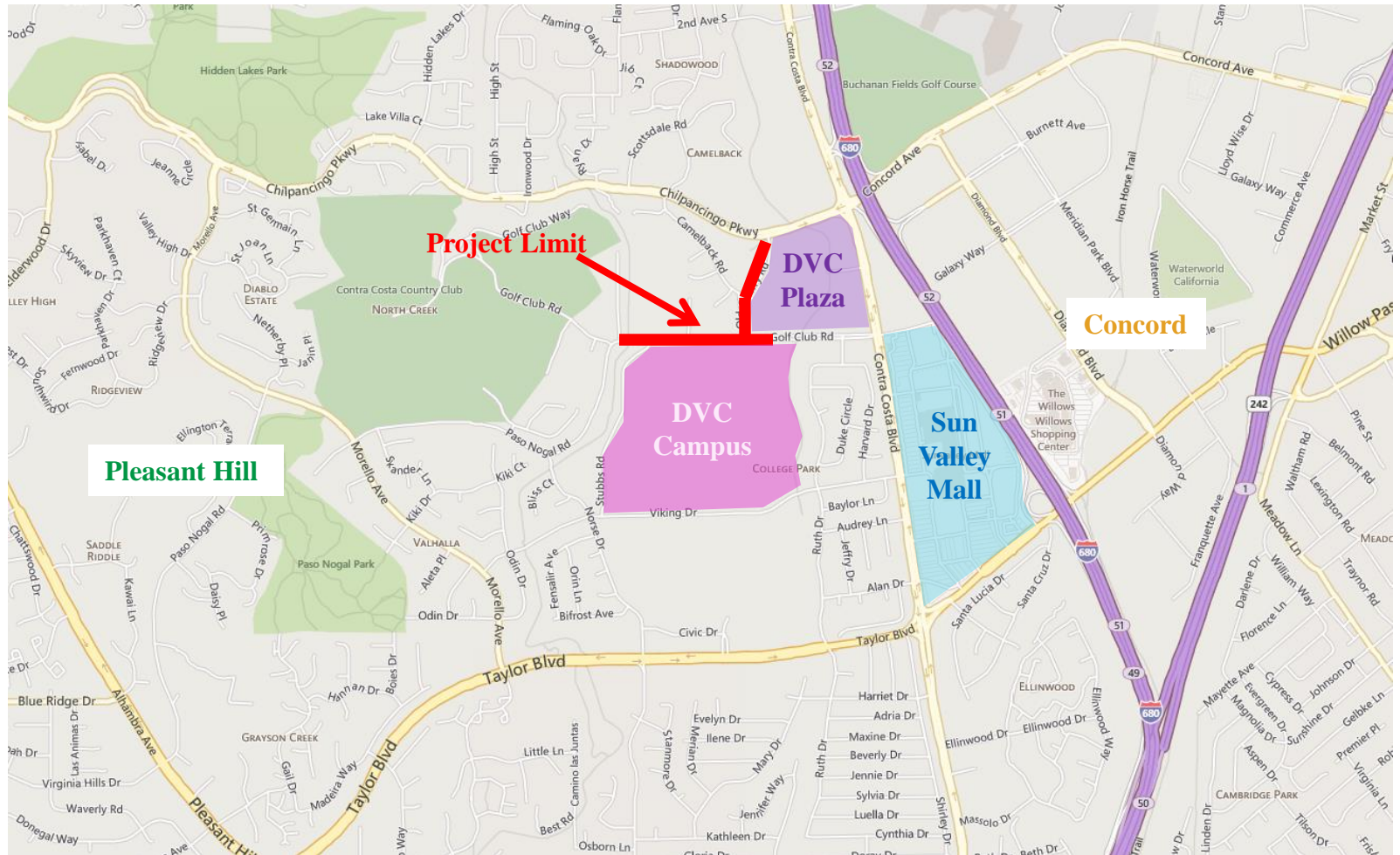


# Golf Club Road & Old Quarry Road Improvement Project

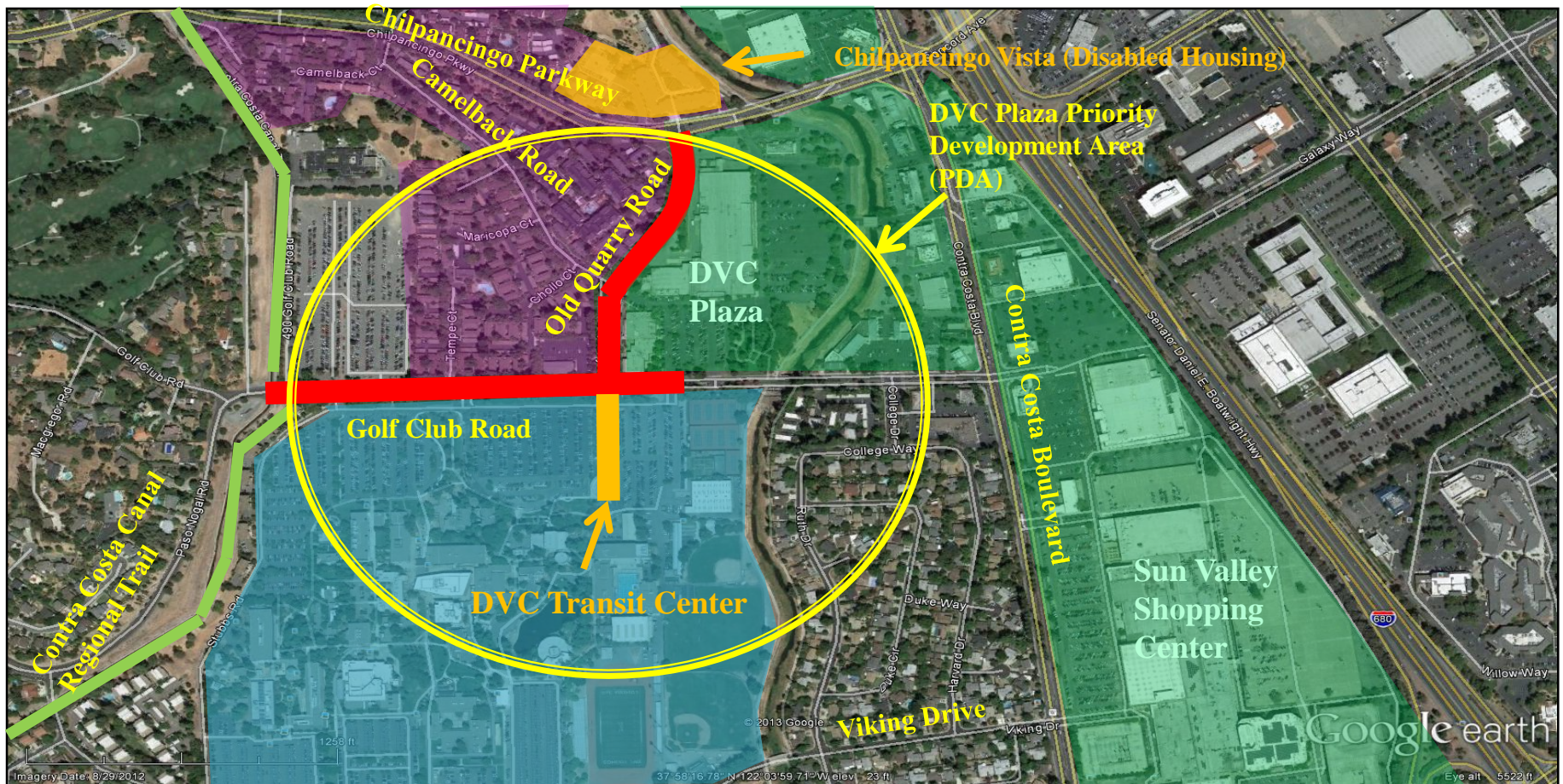
City of Pleasant Hill  
Eric Hu, Senior Civil Engineer  
January 22, 2015

# Project Location





# Project Location

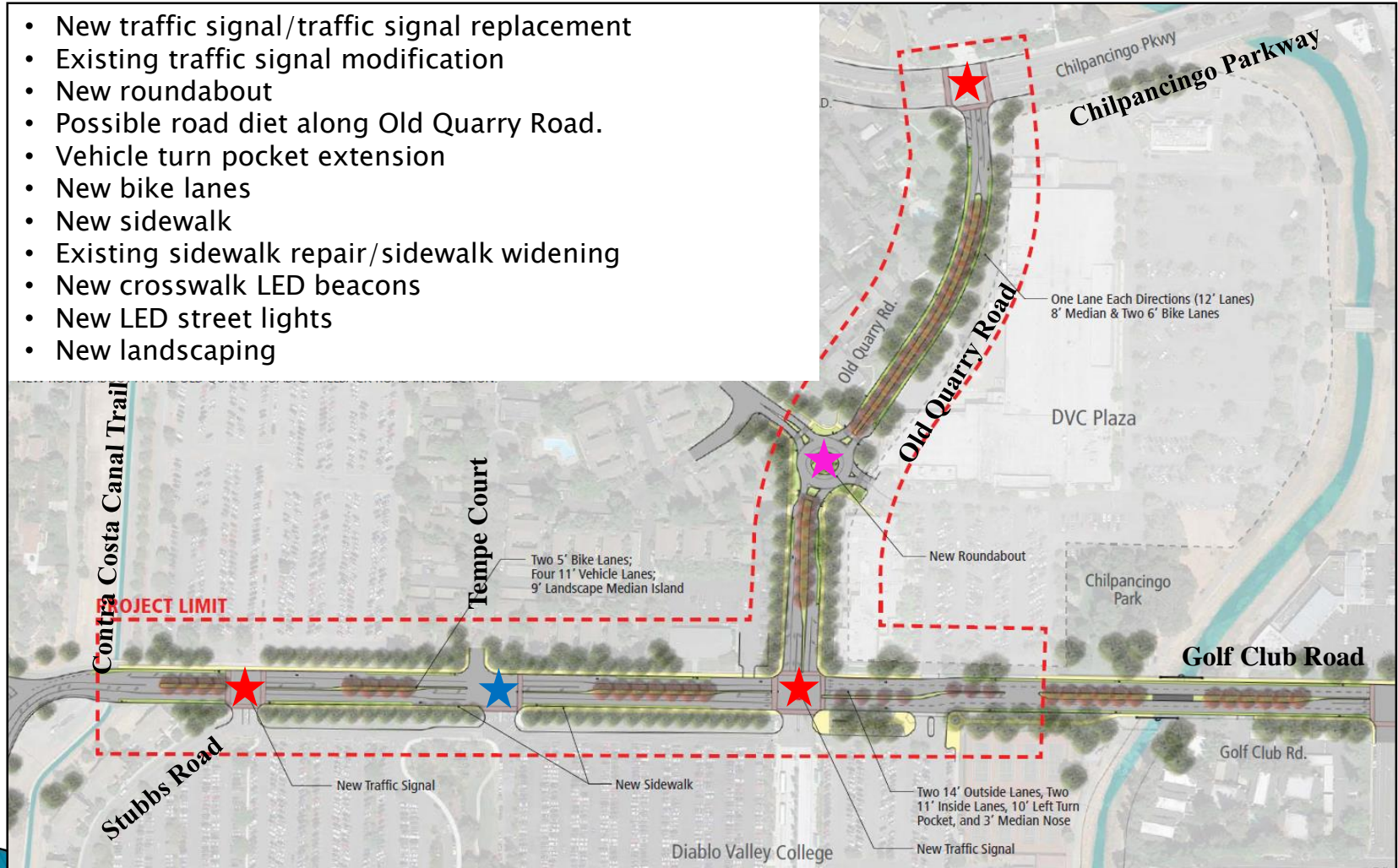


- Commercial Area
- Project Limit
- DVC Campus
- Multi-Family Units



# Project Scope

- New traffic signal/traffic signal replacement
- Existing traffic signal modification
- New roundabout
- Possible road diet along Old Quarry Road.
- Vehicle turn pocket extension
- New bike lanes
- New sidewalk
- Existing sidewalk repair/sidewalk widening
- New crosswalk LED beacons
- New LED street lights
- New landscaping



**New Traffic Signal/Signal**



**Modification  
Roundabout**

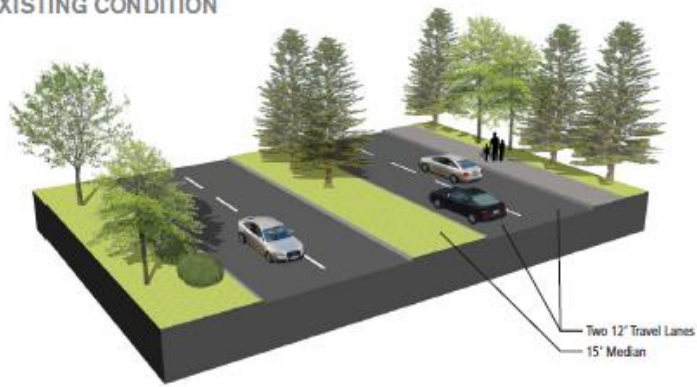


**Crosswalk LED Beacon**

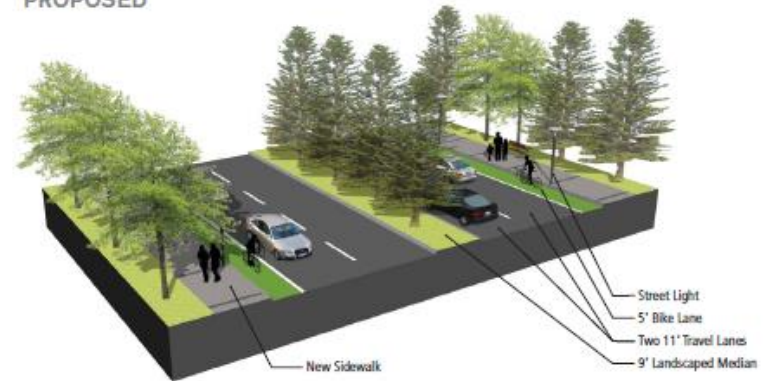
# Project Scope

## GOLF CLUB ROAD

EXISTING CONDITION



PROPOSED



## OLD QUARRY ROAD

EXISTING CONDITION



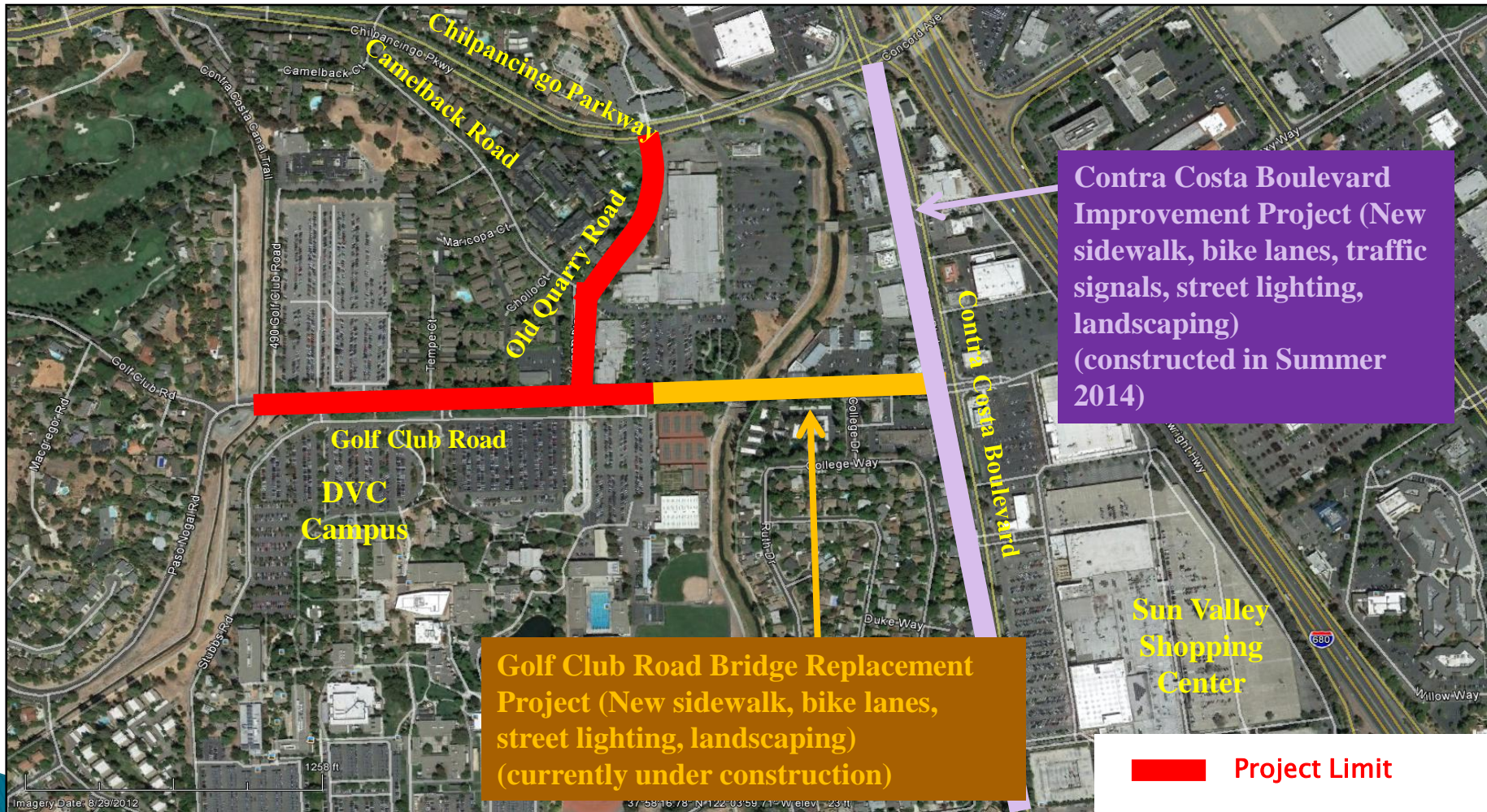
PROPOSED



GOLF CLUB ROAD / OLD QUARRY ROAD PROJECT



# Project Context





# Average Daily Traffic Volumes



**\*Truck/bus traffic measured to be 2% of ADT.**

**\*\*Current traffic volume (2035 projected traffic volume)**


**\*\*\*No diesel generating impact. No change in bus traffic.**

# Level of Service Analysis

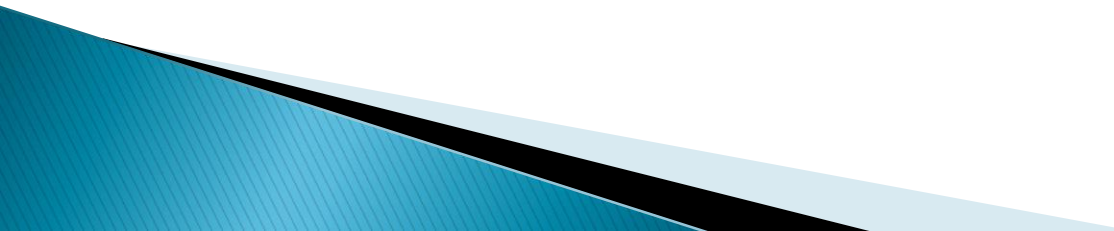
Intersection	No Project (Existing Condition)				With Project (w/ Roundabout & Road Diet)			
	AM		PM		AM		PM	
	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS
Golf Club Road/Old Quarry Road	35.1	D	15.7	B	35.2	D	15.6	B
Camelback/Old Quarry Road (Roundabout Site)	26.7	D	12.6	B	21.0	C	8.3	A
Chilpancingo/Old Quarry Road	30.7	C	17.5	B	27.1	C	21.6	C



# Other Project Benefits

- ▶ Project will have minimal impact to existing diesel emitting traffic (e.g. non-hybrid buses).
  - ▶ New traffic signals and turn pocket modifications will improve traffic circulation, delay, and improve overall air quality throughout the project corridors.
  - ▶ New roundabout will virtually eliminate the traffic queuing that currently exist at the 4-way STOP intersection at Camelback Road/Old Quarry Road.
  - ▶ Road diet along Old Quarry Road will have minimal impact to Level of Service due to the roundabout efficiency.
- 

# Other Project Benefits

- ▶ New bike lanes and sidewalks will greatly encourage multi-modal access between DVC campus, nearby multi-family housing units, DVC Plaza, and the DVC Transit Center, thus reduce overall vehicle trips in the area and encourage overall transit use among students.
  - ▶ New project improvements will also connect with recently completed “complete street” improvements along the rest of Golf Club Road and Contra Costa Boulevard, connecting pedestrians and cyclists to regional shopping destinations (e.g. Sun Valley Mall).
- 



**Any Questions?**